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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/971,998	10/04/2001	Jon Ebbe Brelin	SONY-15200	4142

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EXAMINER	
THAI, XUAN MARIAN	
ART UNIT	**PAPER NUMBER**
2111	5

DATE MAILED: 06/03/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/971,998	BRELIN, JON EBBE	
	Examiner	Art Unit	
	XUAN M. THAI	2111	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *04 October 2001*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-29* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-29* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *04 October 2001* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date *#2,#3 & #4*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

1. This is in response to communication filed on October 4, 2001. Claims 1-29 are presented for examination.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-29 are rejected under 35 U.S.C. 102(b) as being anticipated by Sato et al. (EP 0812092 A2; hereinafter Sato).

As per claim 1, Sato discloses a method of cancelling a pending notify command at a target device comprising: a. sending a cancelling command over a network from a controlling device to the target device; and b. cancelling the pending notify command at the target device when the cancelling command is received while the pending notify command is pending (Abstract; see also col. 13, lines 5-7; Fig. 3; col. 14, lines 40-57).

As per claim 2, Sato discloses the method as claimed in claim 1 wherein the cancelling command is a status command sent while the pending notify command is pending (Fig. 3; col. 14, lines 30-57).

As per claim 3, Sato discloses the method as claimed in claim 1 wherein the cancelling command is a duplicate of the pending notify command sent while the pending notify command is pending (Fig. 3; col. 14, lines 40-57).

As per claim 4, Sato discloses the method as claimed in claim 1 wherein the cancelling command is a notify cancel command sent while the pending notify command is pending (Fig. 3; col. 14, lines 40-57).

As per claim 5, Sato discloses the method as claimed in claim 1 wherein the network substantially complies with a version of the IEEE 1394 standard (e.g. col. 11, lines 50-56).

As per claim 6, Sato discloses the method as claimed in claim 5 wherein the cancelling command substantially complies with a version of the AV/C protocol (e.g. col. 3, lines 6-24; col. 4, lines 5-18 and col. 6, lines 11-19).

As per claim 7, Sato discloses a target device (e.g. Fig. 2, element 12) for communicating with a controlling device over a network, the target device (e.g. 12) comprising: a. means for communicating with the controlling device over the network, the means for communicating including ability to receive a notify command from the controlling device (Figs. 2 and 4; e.g. see col. 12, lines 23-55 and col. 14, lines 2-57), issue an interim response to the notify command to the controlling device (Fig. 4; ST 16) and receive a cancelling command from the controlling device (Fig. 4; ST 19); and b. means for cancelling coupled to the means for communicating for cancelling a pending notify command if a cancelling command is received from the controlling device while the pending notify command is pending (e.g. Figs. 2, 5E and 5F).

As per claim 8, "the target device as claimed in claim 7 wherein the cancelling command is a status command sent while the pending notify command is pending" is within the teachings of Sato (see Figs. 3 and 4; col. 14, lines 30-57).

As per claim 9, "the target device as claimed in claim 7 wherein the cancelling command is a duplicate of the pending notify command sent while the pending notify command

is pending" is disclosed by Sato (see Figs. 3 and 4; col. 14, lines 40-57).

As per claim 10, "the target device as claimed in claim 7 wherein the cancelling command is a notify cancel command sent while the pending notify command is pending" is disclosed by Sato (see Figs. 3 and 4; col. 14, lines 40-57).

As per claim 11, "the target device as claimed in claim 7 wherein the network substantially complies with a version of the IEEE 1394 standard" is disclosed by Sato (e.g. col. 11, lines 50-56).

As per claim 12, "the target device as claimed in claim 11 wherein the cancelling command substantially complies with a version of the AV/C protocol" is disclosed by Sato (see e.g. col. 3, lines 6-24; col. 4, lines 5-18 and col. 6, lines 11-19).

As per claim 13, Sato discloses a target device (e.g. camcorder) configured to communicate with a controlling device (e.g. computer) over a network, the target device comprising: a. an interface circuit configured to communicate with the controlling device over the network, the interface circuit including ability to receive a notify command from the controlling device, issue an interim response to the notify command and receive a cancelling command from the controlling device (Figs. 2 and 4; e.g. see col. 12, lines 23-55 and col. 14, lines 2-57); and b. a control circuit coupled to the interface circuit to cancel a pending notify command if a cancelling command is received from the controlling device while the pending notify command is pending (e.g. Figs. 2, 5E and 5F).

As per claim 14, "the target device as claimed in claim 13 wherein the cancelling command is a status command sent while the pending notify command is pending" is within the teachings of Sato (see Figs. 3 and 4; col. 14, lines 30-57).

As per claim 15, "the target device as claimed in claim 13 wherein the cancelling command is a duplicate of the pending notify command sent while the pending notify command is pending" is disclosed by Sato (see Figs. 3 and 4; col. 14, lines 40-57).

As per claim 16, "the target device as claimed in claim 13 wherein the cancelling command is a notify cancel command sent while the pending notify command is pending" is disclosed by Sato (see Figs. 3 and 4; col. 14, lines 40-57).

As per claim 17, "the target device as claimed in claim 13 wherein the network substantially complies with a version of the IEEE 1394 standard" is disclosed by Sato (e.g. col. 11, lines 50-56).

As per claim 18, "the target device as claimed in claim 17 wherein the cancelling command substantially complies with a version of the AV/C protocol" is disclosed by Sato (see e.g. col. 3, lines 6-24; col. 4, lines 5-18 and col. 6, lines 11-19).

As per claim 19, Sato discloses a notify cancel AV/C command data packet used to cancel a pending notify command at a target device, wherein the notify cancel AV/C command data packet is sent from a controlling device to a target device while the pending notify command is pending at the target device, and further wherein when a target device receives the notify cancel AV/C command data packet while the pending notify command is pending, the target device cancels the pending notify command (Figs. 2-4 and 5E-5F; e.g. see col. 12, lines 23-55 and col. 14, lines 2-57 see also col. 3, lines 6-24; col. 4, lines 5-18 and col. 6, lines 11-19).

As per claim 20, Sato discloses a network of devices coupled together comprising: a. a controlling device configured to send a cancelling command to cancel a pending notify command (e.g. col. 13, lines 3-7); and b. a target device including: i. an interface circuit configured to communicate with the controlling device to receive the cancelling command from the controlling device (Figs. 2 and 4; e.g. see col. 12, lines 23-55 and col. 14, lines 2-57); and ii. a control circuit coupled to the interface circuit to cancel a pending notify command if the cancelling command is received from the controlling device while the pending notify command is pending (Figs 2, 5E and 5F).

As per claim 21, "the network of devices as claimed in claim 20 wherein the cancelling command is a status command sent while the pending notify command is pending" is within the teachings of Sato (see Figs. 3 and 4; col. 14, lines 30-57).

As per claim 22, "the network of devices as claimed in claim 20 wherein the cancelling command is a duplicate of the pending notify command sent while the pending notify command is pending" is disclosed by Sato (see Figs. 3 and 4; col. 14, lines 40-57).

As per claim 23, "the network of devices as claimed in claim 20 wherein the cancelling command is a notify cancel command sent while the pending notify command is pending" is disclosed by Sato (see Figs. 3 and 4; col. 14, lines 40-57).

As per claim 24, "the network of devices as claimed in claim 20 wherein the network substantially complies with a version of the IEEE 1394 standard" is disclosed by Sato (e.g. col. 11, lines 50-56).

As per claim 25, "the network of devices as claimed in claim 24 wherein the cancelling command substantially complies with a version of the AV/C protocol" is disclosed by Sato (see e.g. col. 3, lines 6-24; col. 4, lines 5-18 and col. 6, lines 11-19).

As per claim 26, Sato discloses a network of devices coupled together by a standard IEEE 1394 serial bus (e.g. Fig. 1; col. 11, lines 50-56) comprising: a. a controlling device in communication with the standard IEEE 1394 serial bus and configured for sending a cancelling command over the standard IEEE 1394 serial bus (e.g. col. 13, lines 3-7); and b. a target device in communication with the standard IEEE 1394 serial bus and configured for receiving the cancelling command and cancelling a pending notify command if the cancelling command is received while the pending notify command is pending (Figs. 2-4 and 5E-5F; e.g. see col. 12, lines 23-55 and col. 14, lines 2-57).

As per claim 27, "the network of devices as claimed in claim 26 wherein the cancelling command is a status command sent while the pending notify command is pending" is within the teachings of Sato (see Figs. 3 and 4; col. 14, lines 30-57).

As per claim 28, "the network of devices as claimed in claim 26 wherein the cancelling command is a duplicate of the pending notify command sent while the pending notify command is pending" is disclosed by Sato (see Figs. 3 and 4; col. 14, lines 40-57).

As per claim 29, "the network of devices as claimed in claim 26 wherein the cancelling command is a notify cancel command sent while the pending notify command is pending" is disclosed by Sato (see Figs. 3 and 4; col. 14, lines 40-57).

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. USPN 6,150,953 and JP409326812A are in the same patent family of the Sato et al. reference used in the rejection under 37 USC 102(b) above. Aikawa et al. (USPN 6,654,821) teach the use of AV/C protocol in networked devices. Horiguchi et al. (US 2001/0021194 A1) teach the use of AV/C protocol in networked devices. In particular, stream data outputted from an output device 1 connected to a predetermined network is received by an input device 2. When the output device or a different device has sent an order for setting so that output data of the output device 1 may be inputted to a data input section 2b of the input device 2, the input device 2 conducts input setting based on the order. In addition, when the device which sent the order has sent an order to cancel the input setting, the input device 2 conducts processing of canceling the input setting. Mitsuhiro Miyashita et al. and Tatsuya Igarashi et al. teach various home networks using IEEE-1394 technology.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to XUAN M. THAI whose telephone number is 703-308-2064. The examiner can normally be reached on Monday to Friday from 8:30 A.M. to 5:00 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Rinehart can be reached on 703-305-4815. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

XUAN M. THAI
Primary Examiner
Art Unit 2111

XMT